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PATENT /  
BoyleIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Jiong Chen,et al. :Date: June 30, 2003  
Serial No.: 09/513,396 :Group No.: 2881  
Filed: February 25, 2000 :Examiner: Paul Gurzo  
Attorney Docket No.: AIBT-9901 (703) 306-0532(T), 872 0318(F)

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Office Response Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date June 30, 2003 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number ER202807585US addressed to the : Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Bo-In Lin

(Type or print name of person mailing papers)

(Signature of person mailing paper)

NOTE: Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon to mailing. 37 CFR 1.10(b).

To the Commissioner of Patents and Trademarks:

Request for Continuation Prosecution Application

Box FWC  
Commissioner of Patents and Trademarks  
Washington DC 20231

Sir:

Pursuant to 37 CFR 1.53(d), and in response to the Examiner's advisory Action mailed on June 10, 2003 for the Final Office Action mailed on May 30, 2003, the Applicants hereby file a continuation prosecution application (CPA) of the above pending complete application. This 37 CFR 1.53(d) continuation application is being actually filed in the PTO or express mailed during the pendency of the above application. It should be a Continuation of the above application. Please use the specification (including the claim and the abstract) of the above application and also use the Declaration and Oath therefrom for this is a continuation application.

07/03/2003 CCHAU1 00000123 09513396

01 FC:2006 375.00 OP

07/03/2003 CCHAU1 00000123 09513396

02 FC:2252 150.00 OP

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- (X) Enclosed is a Preliminary Amendment for this 37 CFR 1.53(d) Application  
(X) Please enter the Amendment Under Rule 116 in the Parent Application.  
( ) Enclosed is a new Declaration if this is a CIP application.

Please use (X) the drawings of the above application. ( ) the new drawing(s)

After entry of a Preliminary Amendment, there will be three (3) independent claims and 13 total claims. A small entity declaration (X) was enclosed for the above application ( ) is enclosed. Thus the filing fee for the 37 CFR 1.53(d), Application will be \$ 375.00, and a check for this amount is enclosed. The Applicant further request an extension of two-month to respond to the Final Office Action with the period to reply expires four month from the mailing date January 30, 2003 of the final rejection with an additional extension fee of \$150, i.e., \$205 less the \$55.00 previously paid on May 30, 2003, enclosed. The Commissioner is hereby authorized to charge additional fees required for this CPA Application submitted by this transmittal and for the Preliminary Amendment that is to filed later and during the entire pendency of this application to Account No. 12-0005.



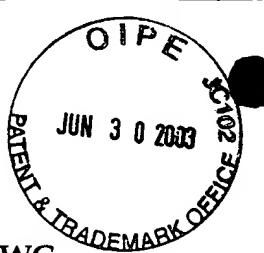
**SIGNATURE OF ATTORNEY**

Bo-In Lin, Reg. No.33,948

Type or print name of attorney

(650) 949-0418, (650) 949-4118

**13445 Mandoli Drive,  
Los Altos Hills, CA 94022**



AIBT-9901(09/513,396)

PATENT

Box FWC

Docket No. AIBT9901

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**TRANSMITTAL FOR  
CONTINUATION PROSECUTION APPLICATION**

Transmitted herewith for filing is the patent application of:

Inventor(s): **Jiong Chen and Peiching Ling**

**WARNING:** Patent must be applied for in the name(s) of all the actual inventor(s). 37 CFR 1.41(a) and 1.53(b).

For (title): **APPARATUS AND METHOD FOR REDUCING ENERGY CONTAMINATION OF LOW ENERGY ION BEAMS**

**1. Type of Application**

This new application is a(n) (check one applicable item below):

- Original  
 Design  
 Plant

**WARNING:** Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 371(c)(4) unless the International Application is being filed as a divisional, continuation or continuation-in-part Application.

**NOTE:** If one of the following 3 items apply then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED

- Divisional  
 Continuation (CPA of Application 09/513,396 Filed on February 25, 2000)  
 Continuation-in-part (CIP)

**CERTIFICATION UNDER 37 CFR 1.10**

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date June 30, 2003 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number ER202807585US addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Bo-In Lin

(Type or print name of person mailing papers)

(Signature of person mailing paper)

**NOTE:** Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon to mailing. 37 CFR 1.10(b).

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JUN - 8 2003  
TECHNOLOGY CTR

**2. Benefit of Prior U.S. Application(s) (35 USC 120)**

**NOTE:** If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

**3. Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b)****(Regular) or CFR 1.153 (Design) Application**

- Pages of specification
- Pages of claims
- Pages of Abstract
- Pages of Drawings

Formal                      informal

**WARNING:** DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted the Office. Only one copy is required or desired. Comments on proposed new 37 CFR 1.84. Notice of March 9, 1988 (1990 O.G. 57-62).

**NOTE:** "Identify indicia such as the serial number, group and unit, title of the invention, attorney's docket number, inventor's name, number of sheets, etc., not to exceed 2 3/4 inches (7.0 cm.) in which may be placed in a centered location between the side edges within three fourths inch (19.1 mm.) of the top edge. Either this marking technique on the front of the drawing is acceptable." Proposed 37 CFR 1.84 (1). Notice of March 9, 1988 (1090 O.G. 57-62)

**4. Additional papers enclosed**

- Preliminary amendment
- Information Disclosure Statement
- Form PTO-1449
- Citations
- Declaration of Biological Deposit
- Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- Authorization of Attorney(s) to Accept and Follow Instructions from Representative
  - Special Comments
  - Other

**5 Declaration or oath**

- Enclosed
- executed by (*check all applicable boxes*)
- inventor(s).
- legal representative of inventor(s) . 37 CFR 1.42 or 1.43
- joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached
- this is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. *See item 13 below for fee.*
- Not Enclosed.

**WARNING:** Where the filing is a completion in the U.S. of an International Application but where a declaration is not available or where the completion of the U.S. application contains subject matter in addition to the International Application the application may be treated as a continuation or continuation-in-part as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

- Application is made by a person authorized under 37 CFR 1.41 (c) on behalf of *all* the above named inventor(s). The declaration or oath, along with the surcharge required by 37 CFR 1.16 (e) can be filed subsequently.

**NOTE:** It is important that **all** the correct inventor(s) are named for filing under 37 CFR 1.41 (c) and 1.53 (b).

**6. Inventorship Statement**

**WARNING:** If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the **last** claimed invention was made, should be submitted.

**The Inventorship for all the claims in this application are:**

The same  
or

- Are not the same. An explanation, including the ownership of the various claims at the time the **last** claimed invention was made.
- is submitted
- will be submitted.

**7. Language**

**NOTE:** An application including a signed oath or declaration may be filed in a language other than English. A verified English translation of the non-English language application and the processing fee of \$30.00 required by 37 CFR 1.17(k) is required to be filed with the application or within such time as may be set by the Office. 37 CFR 1.5(d).

**NOTE:** A non-English oath or declaration in the form provided or approved by the PTO need not be translated. 37 CFR 1.69(b).

- English
- non-English
  - the attached translation is a verified translation. 37 CFR 1.52(d).

## 8. Assignment

- \_ An assignment of the invention to \_\_\_\_\_.  
\_ is attached  
\_ will follow

**NOTE:** "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment" Notice of May 4, 1990.

**9. Certified Copy** Certified cop(ies) of application(s)

(country) (appl.no.) (filed)  
for which priority is claimed

- which priority is claimed  
\_ is (are) attached . A separate "ASSIGNMENT COVER LETTER  
ACCOMPANYING NEW PATENT APPLICATION" is also attached  
\_ will follow.

**NOTE:** The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37CFR 1.55(a) and 1.63.

**NOTE:** This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35USC120 is itself entitled to priority from a prior foreign application then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

## 10 Fee Calculation (37 CFR 1.16)

A X Regular application

CLAIMS AS FILED					
Number filed	Number Extra Rate				Basic Fee \$750.00
<b>Total</b>					
<u>Claims 37 CFR 1.16(c)</u>	20 -20 =	0	x	\$18.00	0.00
<b>Independent</b>					
<u>Claims (37CFR 1.16(b))</u>	2 -3 =	0	x	\$84.00	0.00
<b>Multiple dependent claim(s), if any</b>					
(37 CFR 1.16(d))				\$280.00	0.00

- Amendment Canceling extra claims enclosed.
  - Amendment deleting multiple-dependencies enclosed.

Fee for extra claims is not being paid at this time.

note: If the fees for extra claims are not paid on filing they must be paid or the claims canceled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37CFR1.16(d).

**Filing fee calculation** \$ 750.00

**B. Design application**

(\$250.00 - 37 CFR 1.16(f))

**Filing fee calculation**

\$ \_\_\_\_\_

**C. Plant application**

(\$420.00 - 37 CFR 1.16(g))

**Filing fee calculation**

\$ \_\_\_\_\_

**11. Small Entity Statement(s)**

Verified Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and 1.27 is (are) attached.

Filing Fee Calculation (50% of A, B, or C above) \$ 375.00

NOTE: any excess of the full fee paid will be refunded if a verified statement and a refund request are filed within 2 months of the date of timely payment of a full fee. 37 CFR 1.28(a).

**12. Request for International-Type Search (37 CFR 1.104(d)) (complete, if applicable)**

- Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

**13. Fee Payment Being Made At This Time**

- Not Enclosed

- No filing fee is to be paid at this time. (*This and the surcharge required by 37 CFR 1.16(e) can be paid subsequently.*)

Enclosed

- basic filing fee \$ 375.00

- recording assignment \$ 0.00  
(\$40.00; 37 CFR 1.21(h))

- petition fee for filing by other  
than all the inventors or person on  
behalf of the inventor where inventor  
refused to sign or cannot be reached.  
(\$120.00; 37 CFR 1.47 and 1.17(h))

- for processing an application with  
a specification in a non-English  
language. (\$300.00; 37 CFR 1.52(d) and  
1.17(k))

- processing and retention fee  
(\$120.00; 37 CFR 1.53(d) and 1.21(l))

- fee for international-type search report  
(\$30.00; 37 CFR 1.21(e))

\$ \_\_\_\_\_

NOTE: 37 CFR 1.21(l) establishes a fee for processing and retaining any application which is abandoned for failing to complete the application pursuant to 37 CFR 1.53(d) and this, as well as the changes to 37 CFR 1.53 and 1.78, indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid or the processing and retention fee of 1.21(l) must be paid within 1 year from notification under 53(d).

Total fees enclosed

\$ 375.00

**14. Method of Payment of Fees**

- Check in the amount of \$ 375.00  
 Charge Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.

NOTE: Fees should be itemized in such a manner the it is clear for which purpose the fees are paid. 37 CFR 1.22(b).

**15. Authorization to Charge Additional Fees**

WARNING: if no fees are to be paid on filing the following items should **not** be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

- The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 12-0005.
- 37 CFR 1.16(a), (f) or (g) (filing fees)
- 37 CFR 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims canceled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 CFR 1.16(d)) it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

- 37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- 37 CFR 1.17 (application processing fees)

WARNING: While 37 CFR 1.17(a),(b) (c) and (d) deal with extensions of time under 1.136(a) this authorization should be made only with the knowledge that: "Submission of the appropriate extension fee under 37 C.F.R. 1.136(a) is to avail unless a request or petition for extension is filed." (Emphasis added). Notice of November 5, 1985 (1060 O.G. 27)

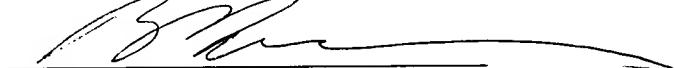
- 37 CFR 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 CFR 1.311(b).

NOTE: 37 CFR 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application...prior to paying, issue fee". From the wording of 37 CFR 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

**16. Instructions As to Overpayment**

- credit Account No.
- refund


**SIGNATURE OF ATTORNEY**

Bo-In Lin

Reg. No.33,948, (650) 949-0418

13445 Mandoli Drive,  
Los Altos Hills, CA 94022

**Incorporation by reference of added pages**

Check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR A NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

   Plus Added Pages For New Application Transmittal Where Benefit Of Prior U.S. Application(s) Claimed

Number of pages added \_\_\_\_\_

   Plus Added Pages For Papers Referred To In Item 4 Above

Number of pages added \_\_\_\_\_

   Plus "Assignment Cover Letter Accompanying New Application"

Number of pages added \_\_\_\_\_

   **Statement Where No Further Pages Added**

(If no further pages form a part of this Transmittal then end this Transmittal with this page and check the following item)

   This transmittal ends with this page